MODELS

HP AIT 35GB, IDE Internal

246627-B22 (Carbon)

Feature List:

- Internal Advanced Intelligent Tape (AIT) tape drive designed for the HP ProLiant ML330e and ProLiant ML 330G2 servers
- Up to 14.4GB/hr backup performance
- 35-GB native capacity
- Standard industry interface, IDE (ATAPI)
- Dantz Retrospect Backup software bundled providing complete solution

OVERVIEW

The HP AIT 35 GB, IDE tape drive bundled with Retrospect Backup software offers an affordable data protection solution for backing up the data on any HP ProLiant ML330e and ProLiant ML 330G2 server.

HP AIT 35 GB, IDE Tape Drive Customer benefits include:

- Ideal capacity for entry-level server (supported only on ProLiant ML330e/ML330G2)
- Simplified solution includes Retrospect Backup software
- Easy installation and servicing

KEY FEATURES

- 35-GB native capacity, 70-GB with 2:1 compression
- Backup rate of up to 4MB/sec (native)
- Standard industry interface, IDE (ATAPI)
- Small form factor, half-height
- Bundled with Retrospect Backup software
- Qualified behind Microsoft® Windows® NT® 4.0, Windows 2000
- Supported on HP ProLiant ML330e and ProLiant ML 330G2 server

PRODUCT HIGHLIGHTS

Advanced Intelligent Tape (AIT) Technology

AIT drive employs a helical scan recording style in which data tracks are written at an angle relative to the edge of the tape. This provides higher density recording, enabling HP customers to lower costs and increase efficiency by storing more data on a single tape.

Manageability

Supported through HP Insight Manager, alerting the administrator when tape status changes or when rewrite/reread thresholds are exceeded.

Compatibility and Integration Testing

HP's AIT 35 GB tape drives are fully supported and compatible with HP ProLiant ML330e and ProLiant ML 330G2 server.

Software Supported

A full single-server-edition of Dantz Retrospect Backup v5.6 (Single Server) for Windows NT/2000 is included.

Qualified with SANworks Data Protection Suite for Tape Utilities

Complete set of Data Protection Tools focused on simplifying the process of configuring, implementing, and maintaining a data protection strategy. Includes software applications such as Tape Storage Management Console and Insight Manager, as well as product information tools including technology White Papers, Service Advisories, and the Storage Products CD. For information on the Data Protection Software Suite, please check the "Related Options" section of this QuickSpec or visit the Web site at: http://www.compaq.com/products/sanworks/dataprotectsoft/index.html.
NOTE: This Web site is available in English only.

PRODUCT HIGHLIGHTS *(continued)*

HP Care Pack Service & Support

Additional Warranty protection and/or HP Installation packages can be purchased.

Software Product Services

- Standalone telephone support
- Rights to a new license
- Media and documentation updates

Hardware Product Services

- Installation services
- On-site Maintenance (includes warranty support)
- Response time upgrades during the warranty period
- Post-warranty coverage
- RAID setup and performance consulting via statement of work

For additional hardware installation and maintenance information please refer to the URL's listed below:
English: http://www.compaq.ca/English/service/cusserv/carepaq/carepaq.htm
French: http://www.compaq.ca/Francais/service/ccs/carepaqf/carepaqf.htm

Warranty Upgrade Options

- Response - Upgrade on-site response from next business day to same day 4-hours
- Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
- Duration - Select duration of coverage for a period of 1, 3, or 5 years

HP Care Pack Information

- HP Care Pack is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.
- HP Care Pack is not available for less than the products warranty duration.
- HP Care Pack is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end user customer). Proof of purchase may be required.
- HP Care Pack services are prepaid.

For additional HP Care Pack (hardware & software) information, as well as, orderable part numbers please refer to the URL listed below:
English: http://www.compaq.ca/English/productinfo/storage/storageworks.htm
French: http://www.compaq.ca/Francais/Produits/stockage/Storageworksf.htm

HP Insight Manager

The comprehensive system management tool that monitors the operation of HP servers, workstations

CS Support

HP Services provides a three-year, limited warranty, fully supported by a worldwide network of resellers and service providers and toll-free 7 x 24 hardware technical phone support during the warranty period. In addition, available service offerings include a full range of HP Care Pack packaged hardware and software services:

- Installation and start up
- Extended coverage hours and enhanced response times
- System management and performance services
- Availability and recovery services

Warranty

3-0-0 (Three year parts)

SPECIFICATIONS

Protocol Support	IDE/ATAPI interface	
O/S Support	Windows NT v4.0, Windows 2000	
Dimensions (HxWxD)	**Physical**	
	AIT 35 GB, IDE, Internal	1.62 x 5.87 x 6.68 in/4.11 x 14.98 x 16.96 cm
	Shipping	
	AIT 35 GB, IDE, Internal	13.88 x 11.38 x 9.25 in/35.25 x 28.90 x 23.49 cm
Weight	**Out of box**	
	AIT 35 GB, IDE, Internal	2.27 lb/1.03 kg
	Shipping	
	AIT 35 GB, IDE, Internal	7.0 lb/3.2 kg
Cables Supported	Cables	None **NOTE**: Cables are not included in Option Kit, the AIT 35-GB IDE Tape Drive (PN 246627-B22) uses internal Server Cables.
Drive LED Indicators	Busy	Tape drive is reading, writing or communicating with the host.
	Tape	Tape is loaded in unit
	Status	Indicates a cleaning request or an error status
Drive Type	ATI 8 mm tape drive	
Transfer Rates	Native (maximum)	14.4 GB/hour
Interface	IDE (ATAPI)	
Buffer	8MB non-parity buffer embedded within the tape drive	
Data Access Time	Average load/unload swap time	< 16 seconds
	Search Speed	Average of 27 to 55 seconds to any point on a 755 ft/230 m
Tape Format	Recording Method	8 mm helical scan
	Recording Format	ANSI/ECMA-246
	Data Compression	ALDC Adaptive Lossless Data Compression
	Error Detection/Correction	Reed Solomon
Maximum Number of Drives	1 drive per IDE bus	
Sustained Transfer Rate	4 MB/s (native) (Typically, users will be able to compress their data at a 2 to 1 ratio; however, compression ratios will vary based on the type of data being compressed.)	
Media	230-metre Advanced-Metal Evaporated (AME) tape with MIC – HP Branded AIT 35GB	
Average Media Load Time	28 s	
Search Speed	60 in/s	
Rewind Speed	Drum Rotational Speed	120 in/s (150 times nominal), 4800 rpm
	Buffer Size	4 MB
Power Requirement	+5V±5%/+12V±10%	
Reliability Features	Head Life	50,000 Hours
	MTBF	> 300,000 Hours @ 30% duty cycle
Relative Humidity (non-condensing)	Operating	20% to 80%
	Shipping	5% to 95%
Temperature Range	Operating	41° to 104°F/5° to 40°C
	Shipping	-22° to 140°F/-30° to 60°C

SERVER AND TAPE COMPATIBILITY

ProLiant Servers	Internal
ML330e	X
ML330 Generation 2 (G2)	X

CONFIGURATION INFORMATION

STEP 1 – AIT 35 GB, IDE TAPE DRIVE – BASE CONFIGURATION

Select one:

Model Number	Part Number	Model Description:
AIT 35 GB, IDE Internal	246627-B22	Contains one AIT 35 GB tape drive, users manual with translation, warranty card, Retrospect Backup software.

RELATED OPTIONS

AIT 35-GB Data Cassette 5 Pack	402371-B21
AIT Cleaning Cassette	402374-B21

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